

ADVANCED PHOTON SOURCE ARGONNE NATIONAL LABORATORY

Our door is open to experimenters whose research can benefit from the high-brilliance x-ray beams of the Advanced Photon Source

**RESEARCH TECHNIQUES
AVAILABLE
AT THE APS
INCLUDE:**

- Absorption/spectroscopy
- Fluorescence spectroscopy
- Intensity fluctuation spectroscopy
- Photoemission spectroscopy
- X-ray absorption fine structure
- X-ray magnetic circular dichroism

- Diamond-anvil cell
- Large-volume press

- X-ray absorption fine structure microscopy

- Microfluorescence
- Microprobe
- Phase contrast imaging
- Photoemission electron microscopy
- Radiography
- Tomography

- Macromolecular crystallography
- Multiwavelength anomalous dispersion

- Anomalous and resonant scattering
- Coherent x-ray scattering
- Diffraction anomalous fine structure
- General diffraction
- High-energy x-ray scattering
- Inelastic scattering
- Liquid scattering
- Magnetic x-ray scattering
- Microdiffraction
- Nuclear resonant scattering
- Powder diffraction
- Reflectivity
- Surface diffraction
- Time-resolved x-ray scattering
- Ultra-small-angle x-ray scattering
- Small-angle x-ray scattering
- Wide-angle x-ray scattering

- X-ray optics development
- X-ray detector development



General-user proposals for beam time at the APS from ~May 26, 2004, to ~August 25, 2004, are due by March 17, 2004. Information can be found on the Web at: http://www.aps.anl.gov/user/beamtime/prop_submission.html or by contacting Dr. Dennis Mills, DMM@aps.anl.gov, 1-630/252-5680.

Information on research techniques and beamline capabilities at the APS can be found on the Web at: http://www.aps.anl.gov/user/beamtime/get_beam.html

To receive a .pdf file containing links to information on access to beam time, experimental techniques, beamline specifications, operations schedule, and other Web-based APS information, send an e-mail, with BEAM TIME PDF in the subject line, to: APSINFO@aps.anl.gov



Argonne National Laboratory, a U.S. Department of Energy Office of Science laboratory, is operated by The University of Chicago. The Advanced Photon Source is funded by the U.S. Department of Energy, Office of Science, Office of Basic Energy Sciences.

